

## **IN THE CLAIMS**

Please rewrite the claims as follows:

1. – 25. (Canceled)
26. (Currently Amended) A golf ball comprising a core and a cover, wherein the core comprises a solution blended polymeric composite comprising a first polybutadiene and at least one reinforcing agent, wherein the reinforcing agent is present in an amount of about 0.1 to 1 weight percent of the composite.
27. (Previously Presented) The golf ball of claim 26, wherein the reinforcing agent comprises nanoparticles having an average size of less than about 100 nm.
28. (Previously Presented) The golf ball of claim 27, wherein the nanoparticles have an average size of about 1 nm to about 50 nm.
29. (Previously Presented) The golf ball of claim 27, wherein the nanoparticles comprise silica-based nanoparticles or carbon-based nanoparticles.
30. (Previously Presented) The golf ball of claim 26, wherein the at least one reinforcing agent is uniformly dispersed throughout the polymeric composite.
31. (Currently Amended) The golf ball of claim 26, wherein the first polybutadiene comprises about 75 percent or greater *trans*-isomer.
32. (Previously Presented) The golf ball of claim 26, further comprising a second polybutadiene having a *cis*-isomer content of about 80 percent or greater.
33. (Currently Amended) The golf ball of claim 32, wherein the first polybutadiene has a *trans*-isomer content of about 70 percent or greater.

34. – 40. (Canceled)

Please add the following new claims:

41. (New) A golf ball comprising a cover and a core, wherein at least one layer is formed from a bale of blended polymeric material, wherein the bale comprises a first polybutadiene and a second polybutadiene, and wherein the first polybutadiene comprises greater than about 80 percent *cis*-isomer and the second polybutadiene comprises at least about 70 percent *trans*-isomer.

42. (New) The golf ball of claim 41, wherein the first polybutadiene comprises greater than about 90 percent *trans*-isomer.

43. (New) The golf ball of claim 42, wherein the bale comprises at least about 20 percent *trans*-isomer and less than about 5 percent vinyl-isomer polybutadiene content.

44. (New) The golf ball of claim 42, wherein the second polybutadiene has a *trans*-isomer content of at least about 80 percent.

45. (New) The golf ball of claim 41, wherein the bale further comprises nanoparticles uniformly dispersed throughout the bale, wherein the nanoparticles have an average size of less than about 5000 nm.

46. (New) The golf ball of claim 45, wherein the nanoparticles comprise silica-based nanoparticles or carbon-based nanoparticles.

47. (New) The golf ball of claim 41, further comprising an intermediate layer disposed between the core and the cover, and wherein the at least one layer is the intermediate layer.

48. (New) The golf ball of claim 45, further comprising a crosslinking agent present in an amount of about 10 to 25 parts per hundred.

49. (New) A golf ball comprising a core and a cover, wherein the core is formed from a bale of blended polymeric material, wherein the bale comprises:

a first polybutadiene having an uncrosslinked polydispersity of less than about 4; and  
a second polybutadiene.

50. (New) The golf ball of claim 49, wherein the second polybutadiene has a trans-isomer content of at least about 70 percent.

51. (New) The golf ball of claim 49, wherein the bale comprises at least about 20 percent trans-isomer.

52. (New) The golf ball of claim 49, wherein the first polybutadiene has a polydispersity of about 2.5 or less.

53. (New) The golf ball of claim 49, further comprising nanoparticles present in an amount of about 0.1 to 10 weight percent or less of the bale.

54. (New) The golf ball of claim 49, wherein the crosslinking agent is present in an amount of about 10 to 25 parts per hundred.